Notice of Allowability	Application No.	Applicant(s)	Applicant(s)	
	10/053,343 Examiner	FUERSTENAU, S	FUERSTENAU, STEPHEN D.	
	James J. Leybourne	2881	New	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate communication. This application is su	his application. If not inclication will be mailed in d	uded ue course. THIS	
1. This communication is responsive to <u>Amendment received</u>	27 October 2003.			
2. The allowed claim(s) is/are 1-21.				
3. X The drawings filed on 17 January 2002 are accepted by the	e Examiner.			
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:	der 35 U.S.C. § 119(a)-(d) or	(f).		
1. Certified copies of the priority documents have	been received.			
2. Certified copies of the priority documents have	been received in Application	No		
3. Copies of the certified copies of the priority doc	cuments have been received	in this national stage appl	ication from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
 Acknowledgment is made of a claim for domestic priority ur reference was included in the first sentence of the specifica 			nce a specific	
(a) The translation of the foreign language provisional a	• •	Sheet. 37 CFR 1.76.		
Acknowledgment is made of a claim for domestic priority ur	• •	121 since a specific refer	ence was included	
in the first sentence of the specification or in an Application				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the contraction of the contrac				
7. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			r NOTICE OF	
8. CORRECTED DRAWINGS (as "replacement sheets") mus				
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review ((PTO-948) attached		
1) hereto or 2) to Paper No				
(b) ☐ including changes required by the proposed drawing or		has been approved by the		
(c) including changes required by the attached Examiner's	s Amendment / Comment or in	the Office action of Pape	er No	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			the back) of	
9. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT FOR TI			I. Note the	
Attachment(s)				
1 ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of Inform	mal Patent Application (P	TO-152)	
 2 Notice of Draftperson's Patent Drawing Review (PTO-948) 3 Information Disclosure Statements (PTO-1449 or PTO/SB/08) Paper No 	6☐ Interview Sum	mary (PTO-413), Paper N	lo	
), 7☐ Examiner's Am	nendment/Comment		
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Sta 9⊡ Other .	tement of Reasons for Al	lowance	

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DETAILED ACTION

1. According to the "Amendment" received October 27, 2003, claims 1, 10 and 12 have been amended. Claims 16 and 21 have previously been allowed in the first Office Action (see Paper #4).

Allowable Subject Matter

- 2. Claims 1-21 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

Regarding independent claim 1, the prior art fails to disclose or make obvious a device comprising a particle constraining part formed of a dielectric material to guide a particle within an inner surface and a detector that detects that charge of a particle within the constraining part indicative of the charge and size of the particle.

Claims 2-9 are allowed by virtue of their dependency on claim 1.

Regarding independent claim 10, the prior art fails to disclose or make obvious a method comprising guiding a charged particle along a path defined by a dielectric material, sensing a charged particle from within the dielectric and producing a signal indicative of the particle size.

Claims 11-15 are allowed by virtue of their dependency on claim 10.

Claims 16 and 21 were allowed in the previous office action.

Claims 17-20 are allowed by virtue of their dependency on claim 16.

The main feature that separates the apparatus and methods of the current invention apart from prior art is the use of a dielectric guide to prevent charged particles from colliding with the conducting Faraday cage instead of using a conducting guide as in the prior art.

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4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James J. Leybourne whose telephone number is (703) 305-7067. The examiner can normally be reached on M-F 9:00- 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R Lee can be reached on (703) 308-4116. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9319.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-7060.

December 13, 2003 JJL

JUANNA LEGE
BUPERNISORY PATERT EXAMINATI
TECHNOLOGY CELVER SOOD